



Our Mission

To develop products and support packages that meet specific customer requirements. Our flexibility and competitive lead times make us the market leader in Automatic Brake Adjustment, ABS, air braking and suspension control.

Total Support

A uniquely wide range of services is available from Haldex. These include expert consultancy for braking and suspension development, brake calculations, type approvals and application engineering. The aim is accurate specification for manufacturers and low cost of ownership for the operator.

Full aftermarket support includes a Europe-wide parts distribution network, ensuring rapid despatch and delivery. Other support services include on-line technical advice, field visits and installation/maintenance training held on-site or at Haldex facilities.

Research and Development

Continual, heavy investment in R&D is carried out using test facilities in England and Sweden in response to ever increasing commercial, legislative, environmental, performance and technological demands.

Quality and Production Standards

The very latest production technology ensures the highest quality standards at Haldex Product Centres all of which are QS 9000 approved.

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Haldex is an innovator in vehicle technology supplying proprietary systems and components for trucks, cars and industrial vehicles, worldwide.

With 4,100 employees and yearly sales exceeding 6 billion Swedish Kronor, Haldex is listed on the Stockholm Stock Exchange. (www.haldex.com)

www.brake-eu.haldex.com

ABS Modular

The control of power through innovation and engineering expertise



BRAKING PERFORMANCE **novation**

Haldex



BRAKING PERFORMANCE

HALDEX VERSATILITY BRINGS WORLDWIDE SUCCESS

A world leader in ABS technology.

The safety benefits of anti-lock braking systems are already well-known and well-established around the world. With Modular ABS from Haldex – a world leader in innovative ABS technology – you also gain an additional advantage: versatility.



Flexibility is a key feature of ABS from Haldex, thanks to a modular design that enables you to meet your needs precisely. At the heart of the system is a single package that includes all of the necessary Modulators, a unique Electronic Control Unit (ECU) and a mounting bracket. To ensure simple, fast installation, the ECU is linked to the rest of the vehicle by a single connection.

By adopting a modular approach to ABS, Haldex makes it easy to add on further features and functionality, including advanced odometers and sophisticated vehicle information systems.

The success of Haldex Modular ABS around the world is built on our unrivalled engineering expertise in braking. All of our quality and production standards meet QS 9000 – evidence of our ongoing commitment to continuous improvement. Haldex is committed to excellence in the aftermarket too. Our Modular ABS technology is backed by a full range of support services and organisations, worldwide.



DELIVERING CONTROL

Intelligent solutions designed to meet your needs.

On these pages, you will find a whole range of options and systems that add value and extra features to your core Haldex Modular ABS. The range makes it easy for you to specify a Modular ABS that delivers the performance and level of functionality that you need.



Modular 1 Upgrade

This system was released as an upgrade to the original Haldex Modular ABS and is now our base system. It includes an advanced odometer that delivers greater accuracy and damage-resistance than conventional mechanical odometers. One of the most useful benefits of the odometer for many fleet operators is the fact that it records total trailer mileage – not just the braking mileage.



Modular 1 Plus

This system includes the advanced odometer found in our Modular 1 Upgrade unit, plus many other features. A Vehicle Data System (VDS) can be used to feed information into a PC for detailed analysis, easier fleet management and storage of vehicle specific information. Other benefits include the ability to reset the trailer to ride height using the Haldex COLAS® raise/lower valve and an End of Line Test system for use by trailer manufacturers.



Modular 2

All of the extra functions you find in Modular 1 Plus, with the added attraction of twin valves. This feature provides 'Category A' performance that meets European ADR requirements when used with PUR cables.

APPLICATIONS								
Semi Trailers	2S/1M	2S/2M	4S/2M	Centre Axle Trailers	2S/1M	2S/2M	4S/2M	
	✓	✓	-		✓	✓	-	
	✓	✓	✓		✓	✓	✓	
	✓	✓	✓		✓	✓	✓	



BRAKING PERFORMANCE

INFORMATION IS CONTROL

Add-on innovation with Haldex Modular ABS.

The ECU at the heart of every Haldex Modular ABS processes a great amount of data that can be used to provide other valuable features. All of the add-on units and systems featured on these pages can be used with either our Modular 1 Plus or Modular 2 solutions.



PC Interface and Vehicle Data System

Data downloaded from your Haldex Modular ABS to a PC can be processed using industry-standard software. The data can be used to create a complete history for each trailer in your fleet, enabling you to store vehicle specific information, carry out highly efficient monitoring and planning.

The PC Interface and Vehicle data System will run on Windows® 95 or above.



Reset to Ride Height (COLAS®)

The ability to raise or lower a trailer during loading or unloading is useful. There are dangers, however, where the system relies on human intervention to reset the trailer to its correct ride height. The risk of human error can lead to expensive drive-away damage. A raised trailer could cause roof damage and a lowered trailer could endanger the shock absorbers, mudguards and air suspension system. Furthermore, if critical information is incorrectly passed to the load sensor valve it will impair vehicle performance.

As your Haldex Modular ABS measures wheel speed, it provides the Haldex COLAS® system with information that enables the ride height to be reset automatically, before the speed exceeds 15kph.



Haldex Info Centre

The latest version of the famous Haldex Info Centre minimises downtime by providing you with information that enables you to identify the source of potential problems quickly and accurately. The Haldex Info Centre also provides you with valuable information that can be used to help you to manage your fleet as efficiently as possible.

You can see the total distance travelled for each vehicle, the trip distance, the vehicle's service interval, the distance to the next service or the tyre scale setting.

The Haldex Info Centre is mounted permanently on the trailer and can be connected to any Haldex Modular ABS. When connected to Modular 1 Plus or Modular 2, the Haldex Info Centre can also detect and test COLAS®, as well as check sensors, cabling, serial numbers and codes.

